



Thank you for giving UL the opportunity to partner with you.

Please note, Follow-Up Procedure Revisions or Report Revisions do not include Authorization Pages, Indices, Section General, and/or Appendices unless revisions were required or requested.

Should you have any questions, after reviewing the material, or need to report any inaccuracies, please reach out to your UL representative or find UL contact details for your local Customer Service Department at <https://www.ul.com/about/locations>.

Please find attached the related material

For your convenience, the below describes the related updates:

Resending per Client Request.

E320456-20091015-CertificateofCompliance
E320456-20091124-CertificateofCompliance
E320456-20090929-CertificateofCompliance
E320456-20091125-CertificateofCompliance
E320456-20091104-CertificateofCompliance
E320456-20090930-CertificateofCompliance
E320456-20120702-CertificateofCompliance
E320456-20091001-CertificateofCompliance
E320456-20091114-CertificateofCompliance
E320456-20091105-CertificateofCompliance
E320456-20091003-CertificateofCompliance
E320456-20091004-CertificateofCompliance
E320456-20091106-CertificateofCompliance

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Times change, Trust Remains™

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L320456-511-51019002-1
Report Reference E320456-20091015
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY7 - Electromagnetic Interference Filters Certified for Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 NO. 8-13, 5th Ed., Issue Date: 2013-11-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L320456-511-51019002-1
Report Reference E320456-20091015
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TME or TR5, followed by 120Y, 120S, 220Y, 240Y, 240H, 240D, 277Y or 480D, followed by 100, 080 or 065, followed by WM, WMF or WM4. (c)	Facility filters

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-311-51019002-1
Report Reference E320456-20091015
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY - Electromagnetic Interference Filters
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 1283 | 7th Ed., Issue Date: 2017-05-17, Revision Date: 2020-06-26

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-311-51019002-1
Report Reference E320456-20091015
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TME or TR5, followed by 120Y, 120S, 220Y, 240Y, 240H, 240D, 277Y or 480D, followed by 100, 080 or 065, followed by WM, WMF or WM4. (c)	Facility filters

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2143972-1
Report Reference E320456-20091124
Date 19-Oct-2023

Issued to: LINEAGE POWER MATAMOROS S A DE C V
PONIENTE 2 NO 3 ENTRE NORTE 7
Y LIMITE FRACC CD INDUSTRIAL
CIMA
MATAMOROS, Tamaulipas 87499
Mexico

This is to certify that representative samples of FOKY - Electromagnetic Interference Filters
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety:

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2143972-1
Report Reference E320456-20091124
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
THE or TR7	Facility filters
TME or TR7	Facility filters

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2136905-0
Report Reference E320456-20091124
Date 19-Oct-2023

Issued to: LINEAGE POWER MATAMOROS S A DE C V
PONIENTE 2 NO 3 ENTRE NORTE 7
Y LIMITE FRACC CD INDUSTRIAL
CIMA
MATAMOROS, Tamaulipas 87499
Mexico

**This is to certify that
representative samples of**

FOKY7 - Electromagnetic Interference Filters Certified for
Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2136905-0
Report Reference E320456-20091124
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
THE or TR7	Facility filters
TME or TR7	Facility filters



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2143973-0
Report Reference E320456-20090929
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY - Electromagnetic Interference Filters
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety:

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2143973-0
Report Reference E320456-20090929
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPHE or TPR7	Facility filters
TPME or TPR7	Facility filters



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Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2136906-0
Report Reference E320456-20090929
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY7 - Electromagnetic Interference Filters Certified for Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety:

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Look for the UL Certification Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2136906-0
Report Reference E320456-20090929
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPHE or TPR7	Facility filters
TPME or TPR7	Facility filters



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-421-52119002-6
Report Reference E320456-20091125
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

**This is to certify that
representative samples of**

FOKY2 - Electromagnetic Interference Filters - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1283 | 7th Ed., Issue Date: 2017-05-17, Revision Date: 2020-06-26

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-421-52119002-6
Report Reference E320456-20091125
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
THE Series , THE, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, or 600D, followed by 100, 125, 150, 200, 250 or 300, followed by (h) or (i), which (h) stands for Followed by PP, SG or ME, and (i) stands for Followed by NSPP, NSBX, NSWMM or NSSG.	Appliance filters
TME Series , TME, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, or 600D, followed by 065, 080 or 100, followed by (h) or (i), which (h) stands for Followed by PP, SG or ME, and (i) stands for Followed by NSPP, NSBX, NSWMM or NSSG.	Appliance filters
TR7 Series , TR7, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, or 600D, followed by 065, 080, 100, 125, 150, 200, 250 or 300, followed by (h) or (i), which (h) stands for Followed by PP, SG or ME, and (i) stands for Followed by NSPP, NSBX, NSWMM or NSSG.	Appliance filters

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L320456-621-52119002-6
Report Reference E320456-20091125
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY8 - Electromagnetic Interference Filters Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 NO. 8-13, 5th Ed., Issue Date: 2013-11-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L320456-621-52119002-6
Report Reference E320456-20091125
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
THE Series , THE, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, or 600D, followed by 100, 125, 150, 200, 250 or 300, followed by (h) or (i), which (h) stands for Followed by PP, SG or ME, and (i) stands for Followed by NSPP, NSBX, NSWMM or NSSG.	Appliance filters
TME Series , TME, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, or 600D, followed by 065, 080 or 100, followed by (h) or (i), which (h) stands for Followed by PP, SG or ME, and (i) stands for Followed by NSPP, NSBX, NSWMM or NSSG.	Appliance filters
TR7 Series , TR7, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, or 600D, followed by 065, 080, 100, 125, 150, 200, 250 or 300, followed by (h) or (i), which (h) stands for Followed by PP, SG or ME, and (i) stands for Followed by NSPP, NSBX, NSWMM or NSSG.	Appliance filters

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-422-40119002-2
Report Reference E320456-20091104
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY2 - Electromagnetic Interference Filters - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1283 | 7th Ed., Issue Date: 2017-05-17, Revision Date: 2020-06-26

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-422-40119002-2
Report Reference E320456-20091104
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPME or TPR7 Series, TPME or TPR7, followed by 120S, 120Y, 220Y, 240D, 240H, 240Y, 277Y, 347Y, or 480D, followed by 06, 08, or 10, followed by suffixes AS, PS or WC.	Appliance filters

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L320456-622-40119002-2
Report Reference E320456-20091104
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY8 - Electromagnetic Interference Filters Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 NO. 8-13, 5th Ed., Issue Date: 2013-11-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L320456-622-40119002-2
Report Reference E320456-20091104
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPME or TPR7 Series, TPME or TPR7, followed by 120S, 120Y, 220Y, 240D, 240H, 240Y, 277Y, 347Y, or 480D, followed by 06, 08, or 10, followed by suffixes AS, PS or WC.	Appliance filters

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2203020-4
Report Reference E320456-20090930
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

**This is to certify that
representative samples of**

FOKY8 - Electromagnetic Interference Filters Certified for
Canada - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 NO. 8-13, 5th Ed., Issue Date: 2013-11-01

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2203020-4
Report Reference E320456-20090930
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPHE Series , TPHE, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, followed by 10, 12, 15, 20, 25 or 30, followed by (a), which (a) stands for followed by PP, NSPP, SG, NSSG, NSBX, NSWMM or ME.	Appliance filters
TPME Series , TPME, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, followed by 06, 08 or 10, followed by (a), which (a) stands PP, NSPP, SG, NSSG, NSBX, NSWMM or ME.	Appliance filters
TPR7 Series , TPR7, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, followed by 10, 12, 15, 20, 25 or 30, followed by (a), which (a) stands for followed by PP, NSPP, SG, NSSG, NSBX, NSWMM or ME.	Appliance filters

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-423-03909002-6
Report Reference E320456-20090930
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY2 - Electromagnetic Interference Filters - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1283 | 7th Ed., Issue Date: 2017-05-17, Revision Date: 2020-06-26

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-423-03909002-6
Report Reference E320456-20090930
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPHE Series , TPHE, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, followed by 10, 12, 15, 20, 25 or 30, followed by (a), which (a) stands for followed by PP, NSPP, SG, NSSG, NSBX, NSWMM or ME.	Appliance filters
TPME Series , TPME, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, followed by 06, 08 or 10, followed by (a), which (a) stands PP, NSPP, SG, NSSG, NSBX, NSWMM or ME.	Appliance filters
TPR7 Series , TPR7, followed by 120S, 120Y, 220Y, 240Y, 240H, 240D, 277Y, 347Y, 480D, followed by 10, 12, 15, 20, 25 or 30, followed by (a), which (a) stands for followed by PP, NSPP, SG, NSSG, NSBX, NSWMM or ME.	Appliance filters

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-424-20702102-0
Report Reference E320456-20120702
Date 19-Oct-2023

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond, VA 23231-4459
United States

This is to certify that representative samples of FOKY2 - Electromagnetic Interference Filters - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety:

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L320456-424-20702102-0
Report Reference E320456-20120702
Date 19-Oct-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
TPLS277S04LSU	Appliance filters
TPLS480S04LSU	Appliance filters

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091001
Date 2023-May-05

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond VA, 23231-4459 US

**This is to certify that
representative samples of**

SURGE-PROTECTIVE DEVICES

TPME120S Series, TPME120Y Series, TPME220Y Series,
TPME240Y Series, TPME240H Series, TPME240D Series,
TPME277Y Series, TPME347Y Series, TPME480D Series,
TPHE120S Series, TPHE120Y Series, TPHE220Y Series,
TPHE240Y Series, TPHE240H Series, TPHE240D Series,
TPHE277Y Series, TPHE347Y Series, TPHE480D Series

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 1449, Surge Protective Devices

CSA C22.2 No. 269.4-17, Surge Protective Devices – Type
4 - Component Assemblies

Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091114
Issue Date 2020-JUNE-30

Issued to: ABB Power Protection LLC
3100 Technology Dr, Suite 200, Plano TX 75074

**This certificate confirms that
representative samples of**

SURGE-PROTECTIVE DEVICES

SPD Type 2, Models: TLE120Y, 453120Y, TR5120Y,
TLE120S, 453120S, TR5120S, TLE220Y, 453220Y,
TR5220Y, TLE240Y, 453240Y, TR5240Y, TLE240D,
453240D, TR5240D, TLE277Y, 453277Y, TR5277Y,
TLE480D, 453480D, TR5480D, TLE240H, 453240H,
TR5240H

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 1449, Surge Protective Devices
CSA C22.2 No. 269.2 17, Surge Protective Devices - Type
2 - Permanently connected

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-200091105
Date 2023-May-05

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond VA, 23231-4459 US

**This is to certify that
representative samples of**

SURGE-PROTECTIVE DEVICES - COMPONENT
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1449, Surge Protective Devices

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-200091105
Date 2023-May-05

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Surge Protective Devices, Type 1 Component Assemblies, Cat Nos. TPME Series followed by 120S, 120Y, 220Y, 240D, 240H, 240Y, 277Y, 347Y, or 480D; followed by 06, 08, or 10; followed by suffixes AST1, ASNCT1, ASNFT1, WCT1, WCNCT1 or WCNFT1.



Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091003
Date 2023-May-05

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond VA, 23231-4459 US

**This is to certify that
representative samples of**

SURGE-PROTECTIVE DEVICES - COMPONENT
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety:

UL 1449, Surge Protective Devices

CSA C22.2 No. 269.4-17, Surge Protective Devices – Type 4 - Component Assemblies

Additional Information:

See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091003
Date 2023-May-05

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

TPHE120S, TPME120S(g), TPHE120Y, TPME120Y(g), TPHE220Y, TPME220Y(g), TPHE240Y, TPME240Y(g), TPHE240H, TPME240H(g), TPHE240D, TPME240D(g), TPHE277Y, TPME277Y(g), TPHE347Y, TPME347Y(g), TPHE480D, TPME480D(g).

(g) Followed by 06, 08, 10, 12, 15, 20, 25 or 30, followed by PP, NSPP (Obsolete), SG, NSSG (Obsolete), NSB (Obsolete), NSWM or MEX (Obsolete).



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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091004
Date 2023-May-05

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond VA, 23231-4459 US

**This is to certify that
representative samples of**

SURGE-PROTECTIVE DEVICES - COMPONENT

Surge Protective Devices, Type 2 Component Assemblies.
Models: TPHE Series followed by 120S, 120Y, 220Y, 240Y,
240H, 240D, 277Y, 347Y, 480D; followed by 12, 15, 20, 25
or 30; followed by PPT1, SGT1, NSBXT1, NSWMT1,
MET1.

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1449, Surge Protective Devices

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091106
Date 2023-May-05

Issued to: ABB Inc.
5900 Eastport Blvd
Richmond VA, 23231-4459 US

**This is to certify that
representative samples of**

SURGE-PROTECTIVE DEVICES - COMPONENT
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1449, Surge Protective Devices

CSA C22.2 No. 269.4-17, Surge Protective Devices – Type 4 - Component Assemblies

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number E320456
Report Reference E320456-20091106
Date 2023-May-05

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

TPME120S f/b YY, f/b AS or WC
TPME120Y f/b YY, f/b AS or WC
TPME220Y f/b YY, f/b AS or WC
TPME240Y f/b YY, f/b AS or WC
TPME240H f/b YY, f/b AS or WC
TPME240D f/b YY, f/b AS or WC
TPME277Y f/b YY, f/b AS or WC
TPME347Y f/b YY, f/b AS or WC
TPME480D f/b YY, f/b AS or WC

YY – Represents 06, 08, 10 as detailed under product covered.



Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services

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